

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FE251551	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/KR2005/000139</b>	International filing date ( <i>day/month/year</i> ) <b>14 JANUARY 2005 (14.01.2005)</b>	(Earliest) Priority Date ( <i>day/month/year</i> ) <b>15 JANUARY 2004 (15.01.2004)</b>
Applicant <b>UTStarcom Korea Limited et al</b>		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (See Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 2

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

b. ☐ none of the figure is to be published with the abstract.

BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2005/000139

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 12/24**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L , H04Q , H04M , G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for Inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/102098 A1 (TANTIVY COMM INC. ) 19 DEC 2002 see the whole documents	1 - 2
A	WO 03/107698 A1(UTSTARCOM Inc) 24 DEC 2003 see the whole documents	1 - 2
A	US 2002-197654 A1 (Narayan P. ) 26 DEC 2002 see the whole documents	1 - 2
A	KR 1999-56549 A1 (Samsung ) 15 JUL 1999 see the whole documents	1 - 2

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family


Date of the actual completion of the international search

25 FEBRUARY 2005 (25.02.2005)

Date of mailing of the international search report

**25 FEBRUARY 2005 (25.02.2005)**

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

SHIN, Sung Kil

Telephone No. 82-42-481-5688



BEST AVAILABLE COPY

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2005/000139

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02/102098 A1	19 DEC 2002	WO 01/58043 A3	18 APR 2002
	US 6,151,332 A	21 NOV 2000	
	US 6,388,999 B1	14 MAY 2002	
	US 6,452,913 B1	17 SEP 2002	
	US 6,526,281 B1	25 FEB 2003	
	JP 2003-529979 T2	7 OCT 2003	
WO 03/107698 A1	24 DEC 2003	WO 03/77473 A1	18 SEP 2003
	US 2004-95881 A1	20 MAY 2004	
	KR 2005-8822 A	21 JAN 2005	
	EP 01483866 A1	08 DEC 2004	
US 2002-197654 A1	26 DEC 2002	WO 99/35865 C2	23 SEP 1999
	KR 2001-33025	25 APR 2001	
	JP 14501353	15 JAN 2002	
	EP 1040691 A1	4 OCT 2000	
KR 1999-56549 A1	15 JUL 1999	NONE	

BEST AVAILABLE COPY